

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

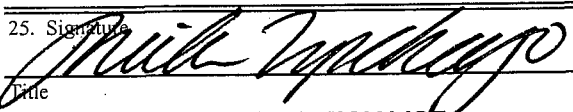

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0149080
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR McGEE OIL & GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 1021-11J
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/SE 2252'FSL, 2402'FEL 6266354 39.961711 At proposed prod. Zone 44243504 -109.517346		9. API Well No. 43-047-39381
14. Distance in miles and direction from nearest town or post office* 19 +/- MILES SOUTH OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2402'	16. No. of Acres in lease 480.00	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 11, T10S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9370'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5154'GL	20. BLM/BIA Bond No. on file BOND NO: WYB000291	13. State UTAH
22. Approximate date work will start*		23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 6/4/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-12-07
Title ENVIRONMENTAL MANAGER	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

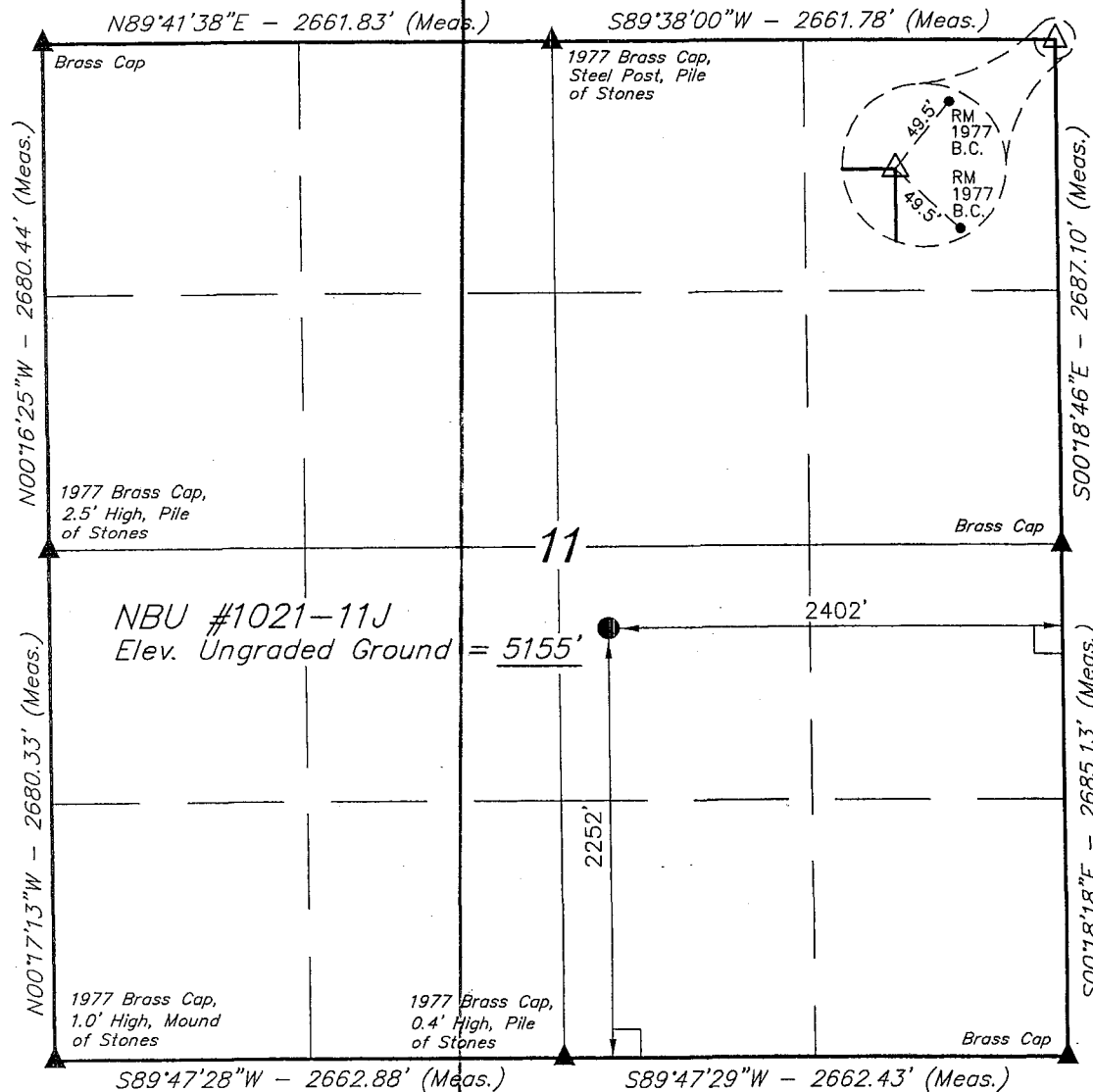
Federal Approval of this
Action is Necessary

RECEIVED

JUN 11 2007

DIV. OF OIL, GAS & MINING

T10S, R21E, S.L.B.&M.



LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°57'42.19" (39.961719)
 LONGITUDE = 109°31'05.21" (109.518114)
 (NAD 27)
 LATITUDE = 39°57'42.32" (39.961756)
 LONGITUDE = 109°31'02.74" (109.517428)

Kerr-McGee Oil & Gas Onshore LP

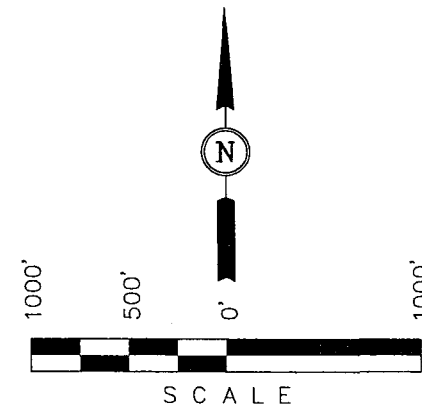
Well location, NBU #1021-11J, located as shown in the NW 1/4 SE 1/4 of Section 11, T10S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

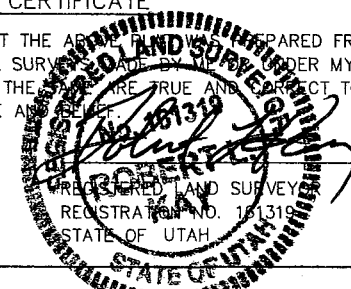
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-28-07	DATE DRAWN: 03-01-07
PARTY D.A. A.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU #1021-11J
NW/SE SEC 11, T10S, R21E
UINTAH COUNTY, UTAH
UTU-0149080

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1286'
Top of Birds Nest Water	1556'
Mahogany	1925'
Wasatch	4496'
Mesaverde	7256'
MVU2	8158'
MVL1	8731'
TD	9370'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1286'
	Top of Birds Nest Water	1556'
	Mahogany	1925'
Gas	Wasatch	4496'
Gas	Mesaverde	7256'
Gas	MVU2	8158'
Gas	MVL1	8731'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9370' TD, approximately equals 5809 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3748 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

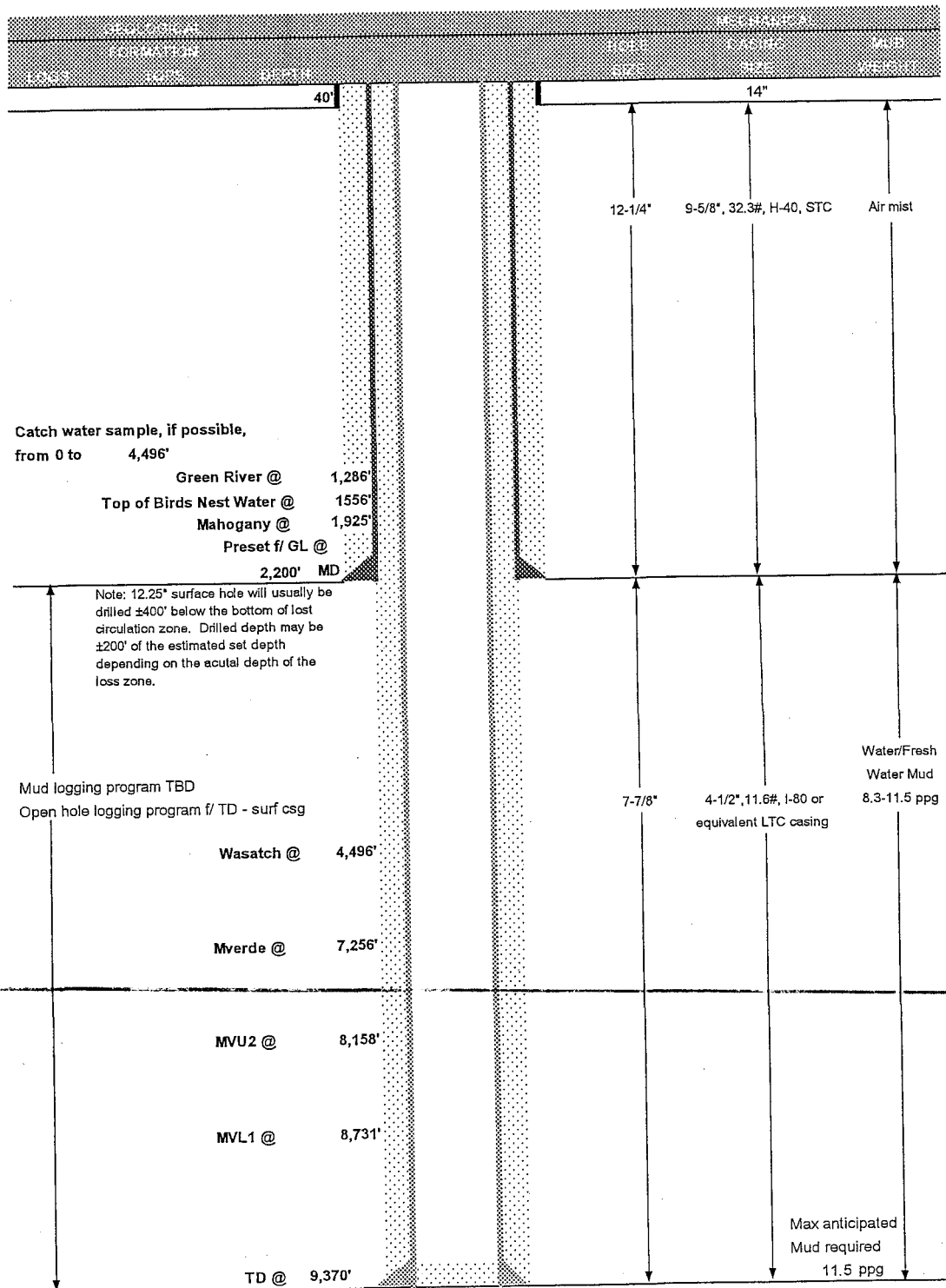
Please see Natural Buttes Unit SOP.

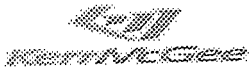
10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	May 31, 2007		
WELL NAME	NBU 1021-11J	TD	9,370'	MD/TVD	
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
		ELEVATION	5,154'	GL	KB 5,169'
SURFACE LOCATION	NWSE, SEC 11-T10S-R21E, 2252' FSL 2402' FEL				BHL Straight Hole
	Latitude: 39.961719	Longitude: 109.518114			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.				





KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	CONDUCTOR	SURFACE	PRODUCTION
14"	0-40'		
9-5/8"	0 to 2200	32.30	H-40
4-1/2"	0 to 9370	11.60	I-80

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
MASP 3542 psi

***** Burst SF is low but csg is much stronger than formation at 2000' EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

	LEAD	TAIL
SURFACE Option 1	500	200
TOP OUT CMT (1)	200	as required
TOP OUT CMT (2)	as required	as required
SURFACE Option 2	1500	500
LEAD	1500	500
TAIL	500	as required
TOP OUT CMT	as required	as required
PRODUCTION	3,990'	5,380'
LEAD	3,990'	5,380'
TAIL	5,380'	5,380'

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

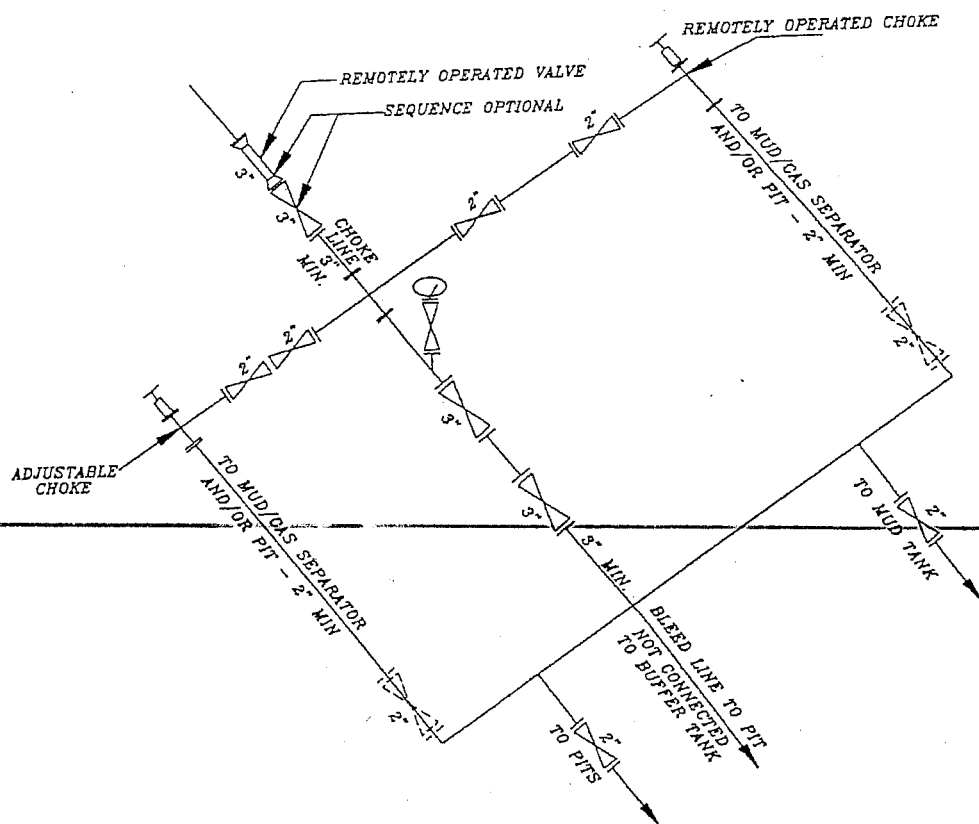
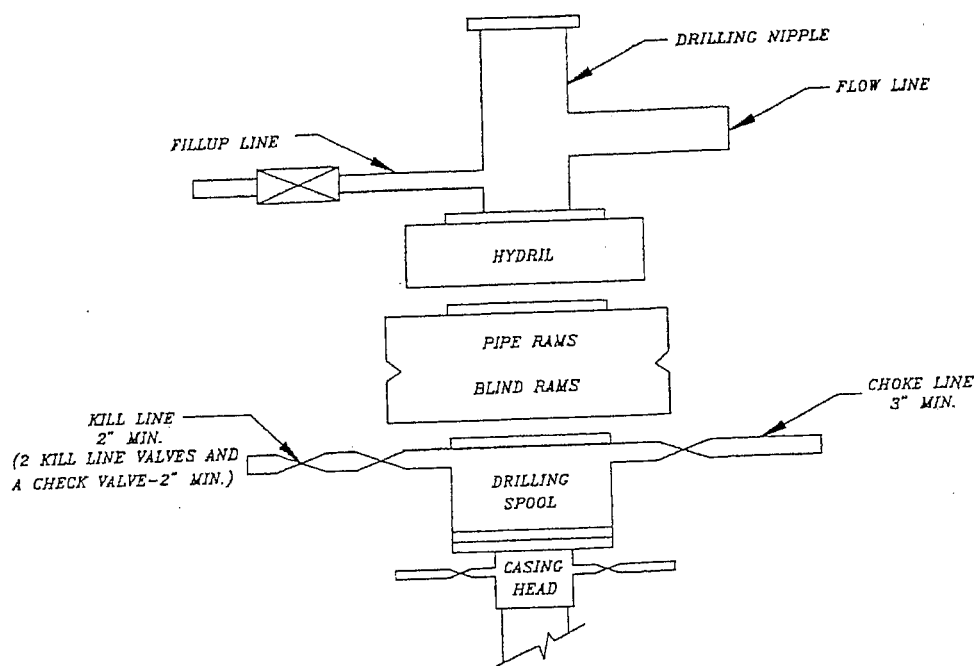
ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____
Brad Laney
DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____
DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU #1021-11J
NW/SE SEC 11, T10S, R21E
UINTAH COUNTY, UTAH
UTU-0149080

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 40' +/- of access road is proposed. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 50' +/- of 4" steel pipeline is proposed from the proposed location to an tie-in point. Refer to Topo Map D for pipeline placement.

Variances to Best Management Practices (BMPs) Requested:

The pipeline shall be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A 20 mil reserve pit liner with felt will be used. As discussed at the on-site inspection.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. ~~The location will be reshaped to the original contour to the extent possible. The following seed~~ mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Needle & Thread Grass	4 lbs.
Indian Rice Grass	8 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface Ownership:

The well pad and access road are located on lands owned by:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:

A Class III Archaeological Survey Report has been completed and will be submitted when report becomes available.

The paleontological survey have been performed and will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying with the boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Ucphego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

6/4/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

SECTION 11, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE PROPOSED #1021-11I TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 40' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.0 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

LOCATED IN UTAH COUNTY, UTAH

SECTION 11, T10S, R21E, S.L.B.&M.

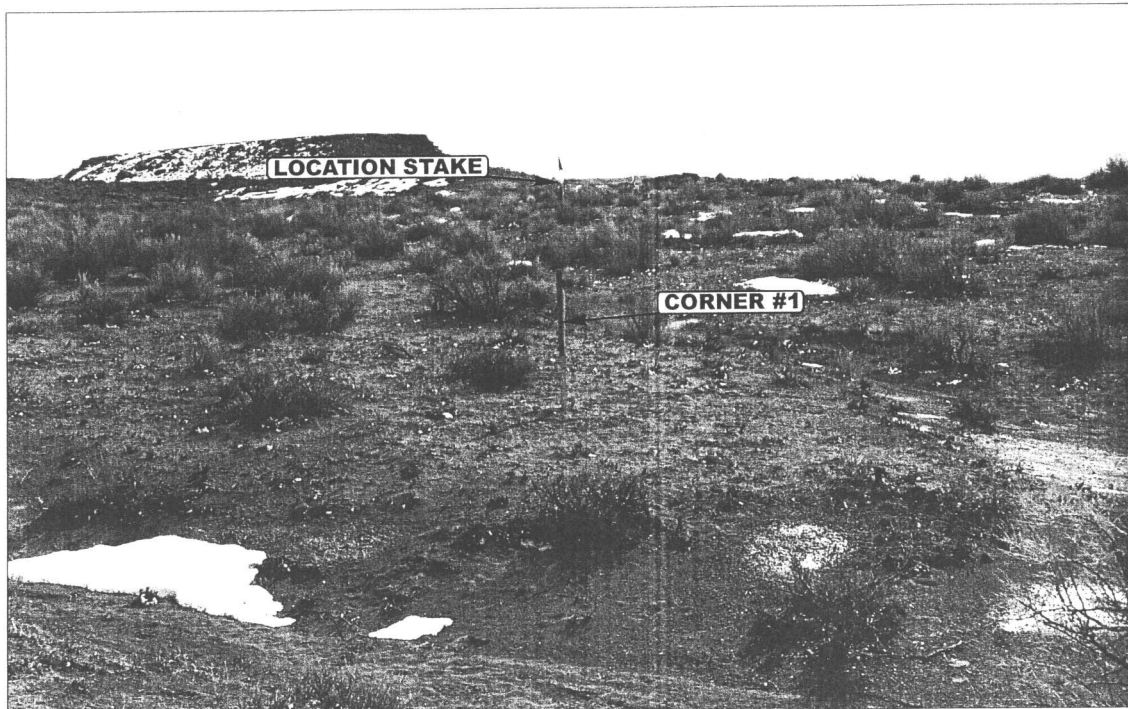


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

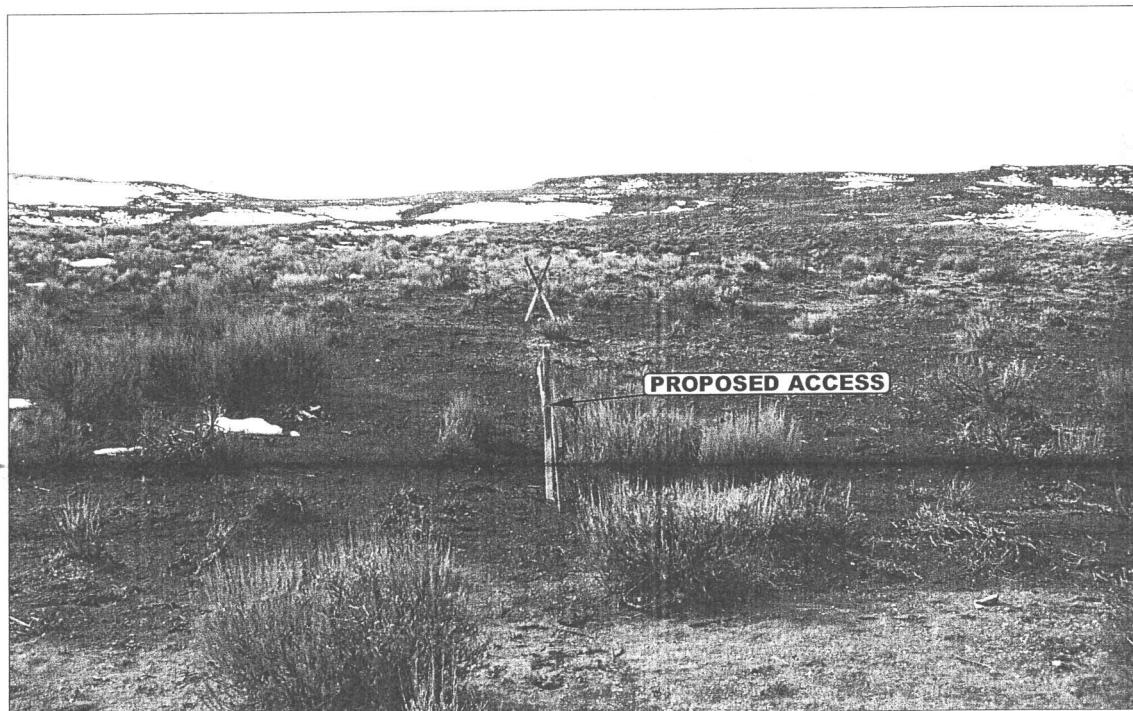


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

03
MONTH

05
DAY

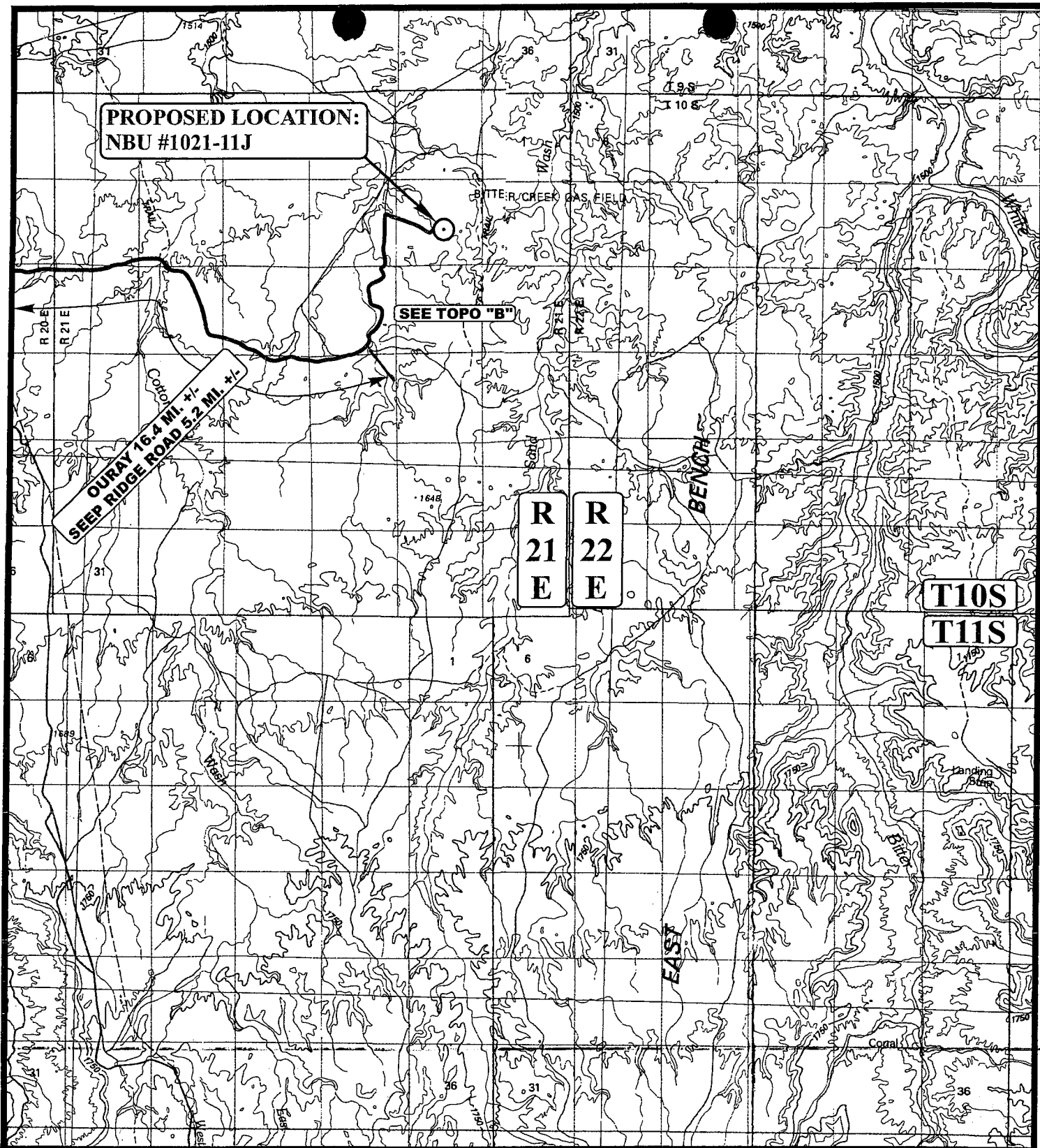
07
YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

SECTION 11, T10S, R21E, S.L.B.&M.

2252' FSL 2402' FEL



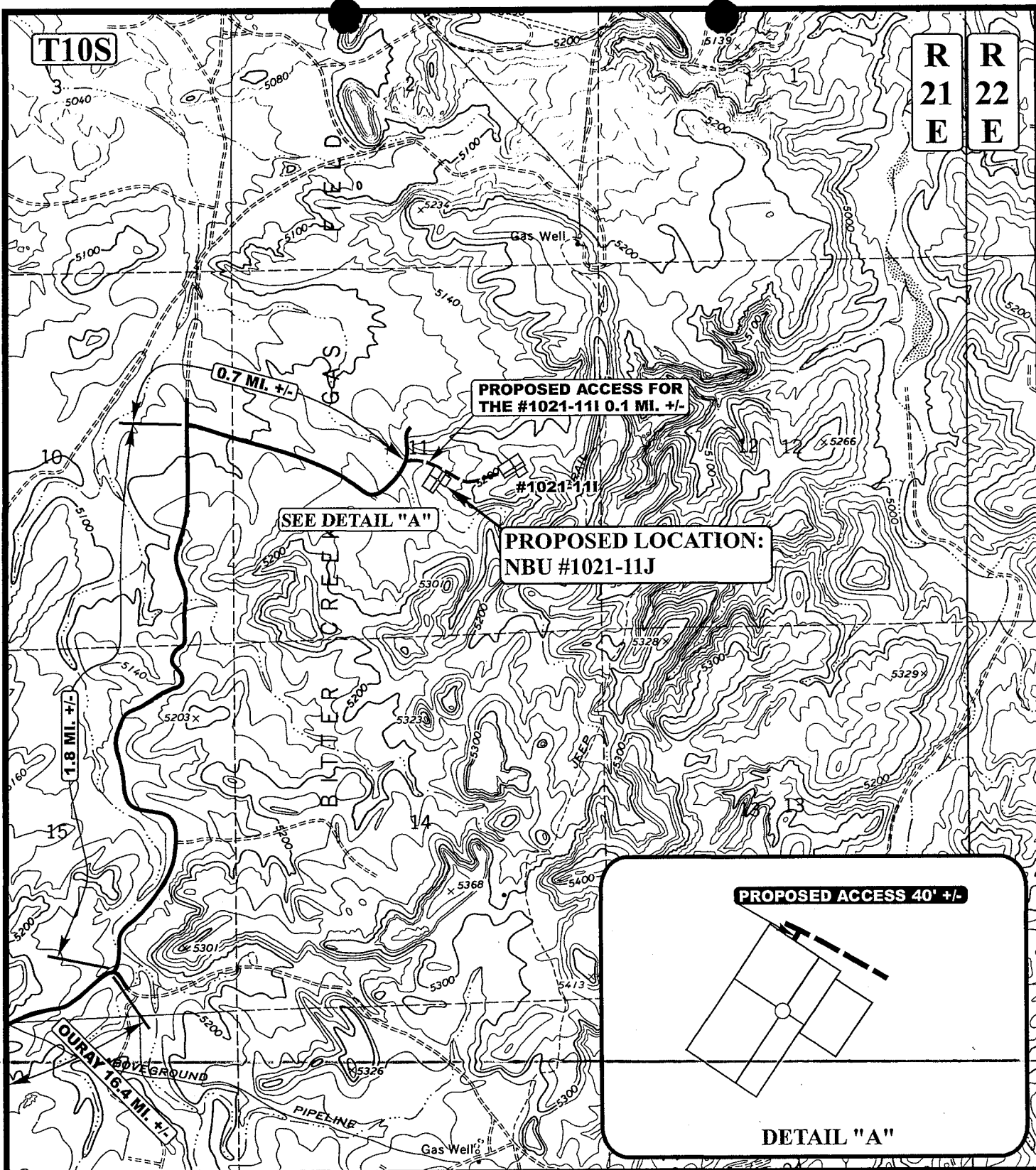
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

03 05 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00

A
TOPO



LEGEND:

— EXISTING ROAD
 - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

**SECTION 11, T10S, R21E, S.L.B.&M.
 2252' FSL 2402' FEL**



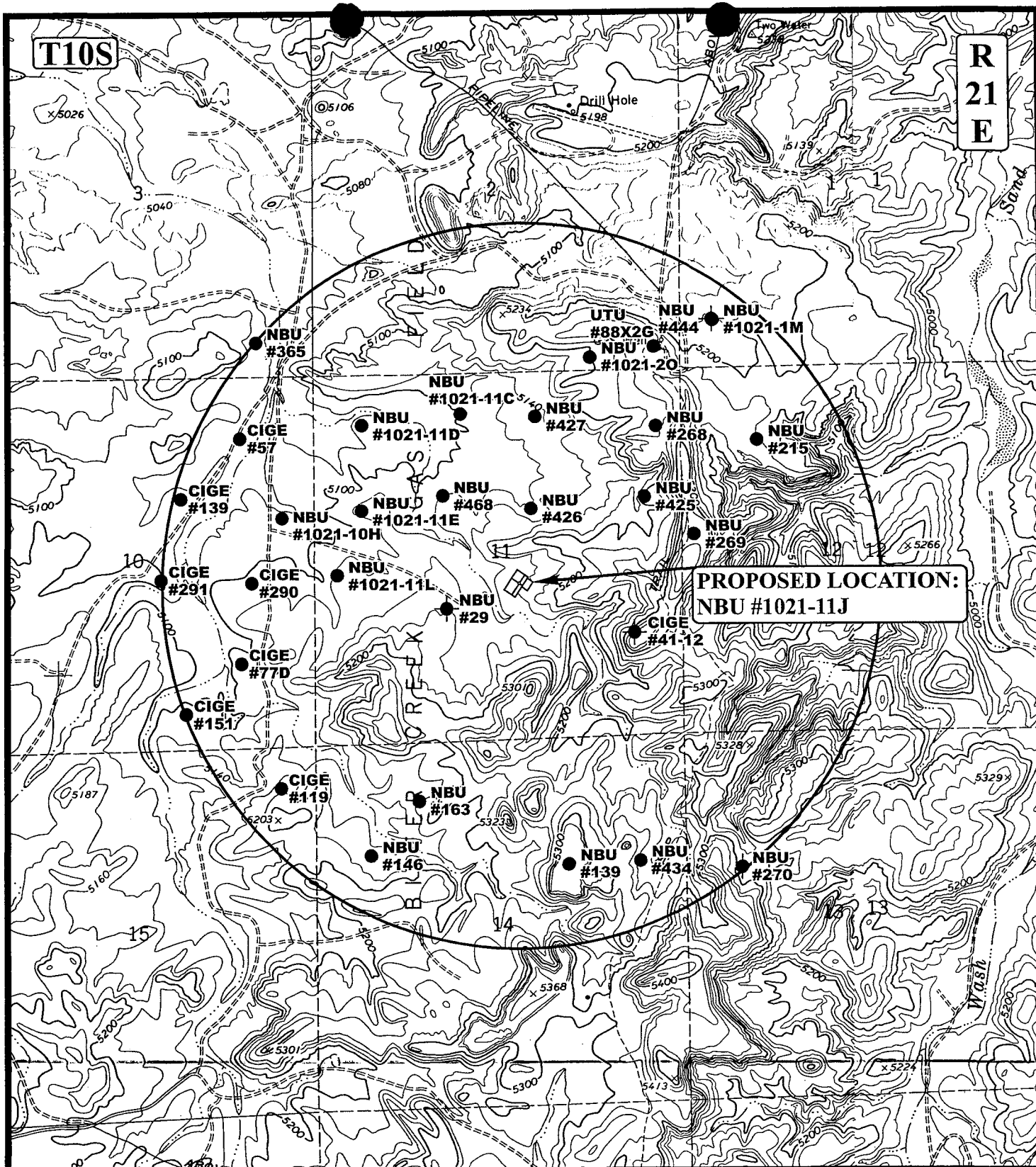
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
 MAP**

03 05 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

**B
 TOPO**



LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

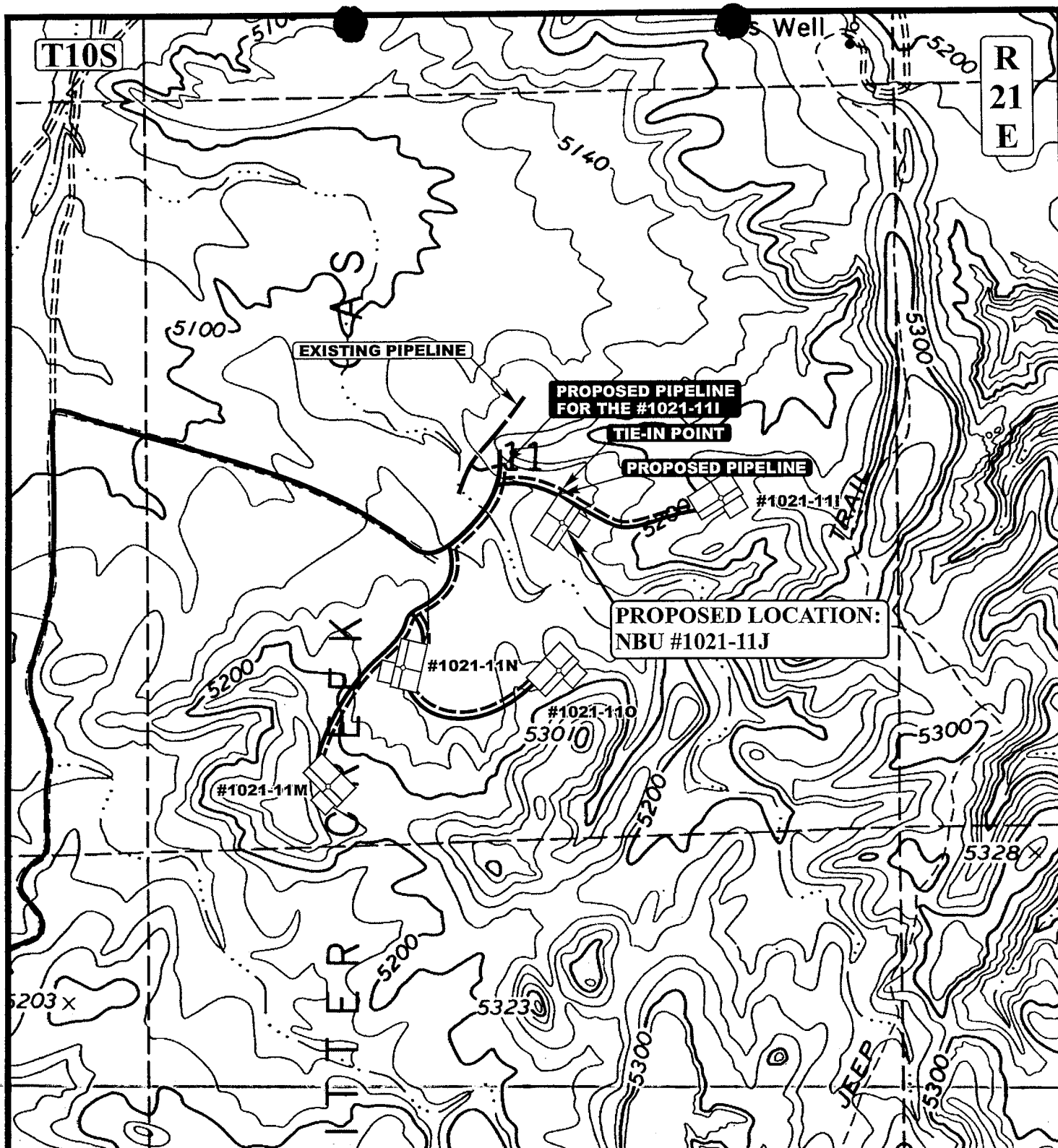
NBU #1021-11J
SECTION 11, T10S, R21E, S.L.B.&M.
2252' FSL 2402' FEL

TOPOGRAPHIC
MAP

03 05 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 50' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

SECTION 11, T10S, R21E, S.L.B.&M.

2252' FSL 2402' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

03 05 07
 MONTH DAY YEAR

SCALE: 1" = 1000' **DRAWN BY: C.P.** **REVISED: 00-00-00**

D
TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-11J

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 11, T10S, R21E, S.L.B.&M.

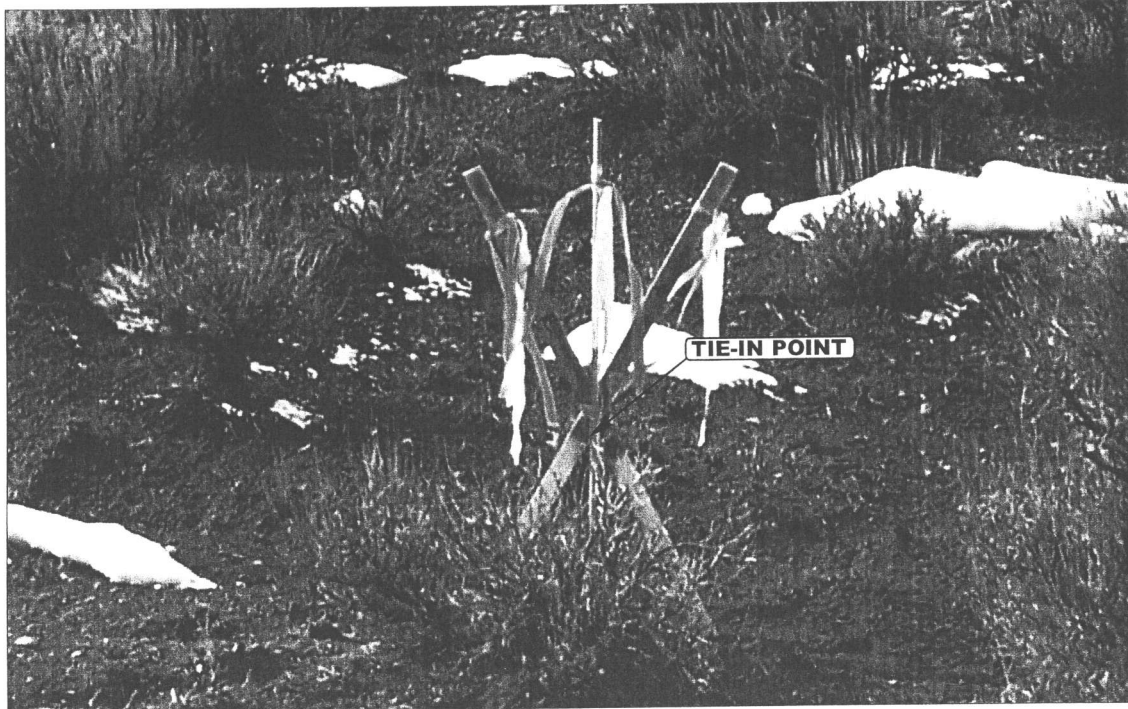


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY

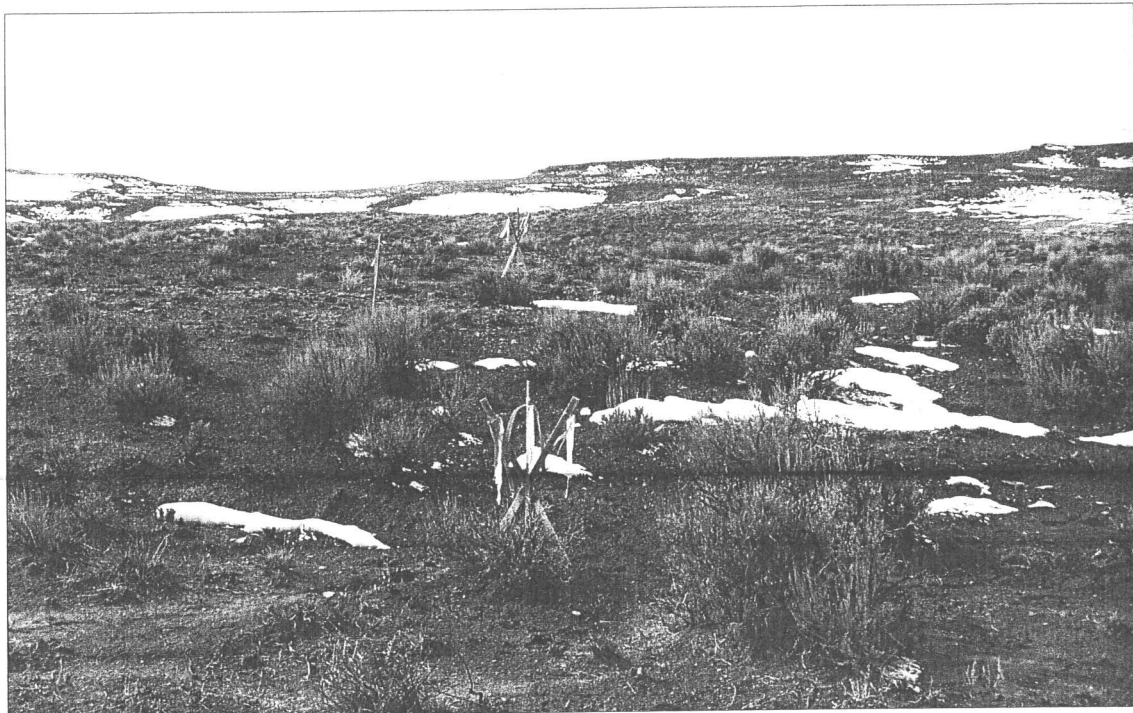


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

03
MONTH

05
DAY

07
YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: C.P.

REVISED: 00-00-00

Kern McGee Oil & Gas Onshore LP

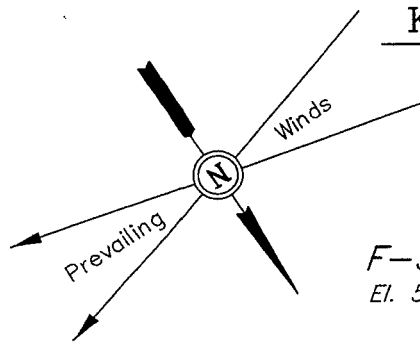
FIGURE #1

LOCATION LAYOUT FOR

NBU #1021-11J

SECTION 11, T10S, R21E, S.L.B.&M.

2252' FSL 2402' FEL

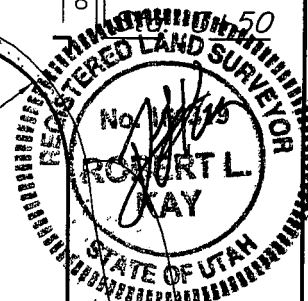


SCALE: 1" = 50'
DATE: 03-01-07
Drawn By: P.M.

F-3.0'
El. 50.6

Approx.
Toe of
Fill Slope

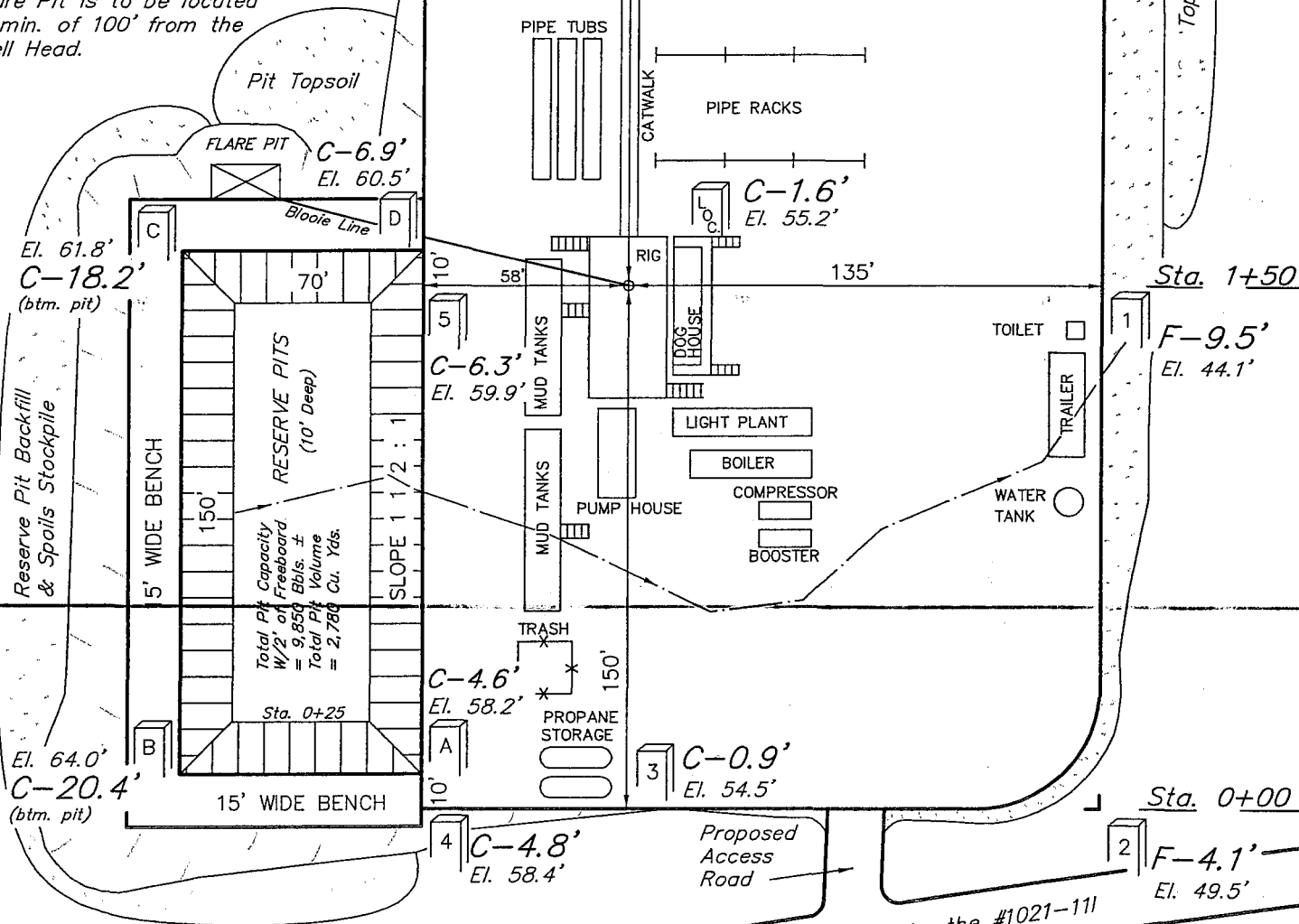
F-0.7'
El. 52.9'



Approx.
Top of
Cut Slope

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5155.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5153.6'

Proposed Access Road for the #1021-11J

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr McGee Oil & Gas Onshore LP

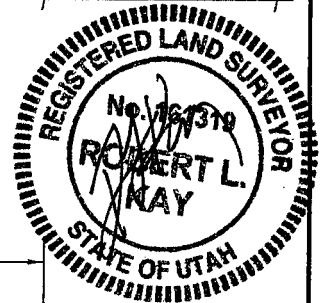
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1021-11J

SECTION 11, T10S, R21E, S.L.B.&M.

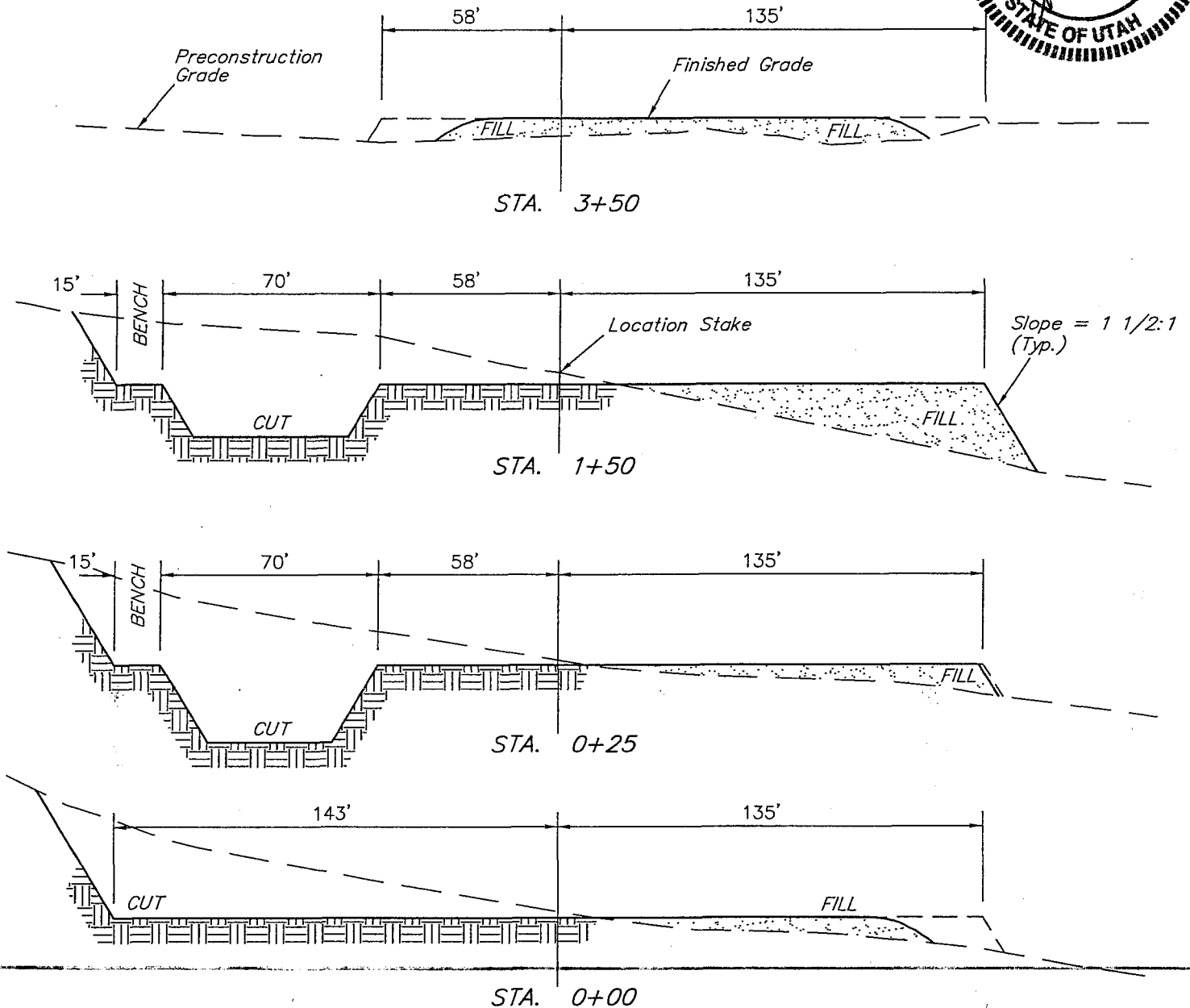
2252' FSL 2402' FEL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 03-01-07

Drawn By: P.M.



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,810 Cu. Yds.
Remaining Location = 9,360 Cu. Yds.

TOTAL CUT = 11,170 CU.YDS.
FILL = 7,970 CU.YDS.

EXCESS MATERIAL = 3,200 Cu. Yds.
Topsoil & Pit Backfill = 3,200 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/11/2007

API NO. ASSIGNED: 43-047-39381

WELL NAME: NBU 1021-11J

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWSE 11 100S 210E

SURFACE: 2252 FSL 2402 FEL

BOTTOM: 2252 FSL 2402 FEL

COUNTY: UINTAH

LATITUDE: 39.96171 LONGITUDE: -109.5174

UTM SURF EASTINGS: 626635 NORTHINGS: 4424350

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0149080

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
Unit: NATURAL BUTTES
 R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 17314
Eff Date: 12-2-99
Siting: 460' W. W. & E. Comm. Tract
 R649-3-11. Directional Drill

COMMENTS: See Separate Note

STIPULATIONS: 1 - Federal Approved
2 - Oil Shale



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 11,12 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status

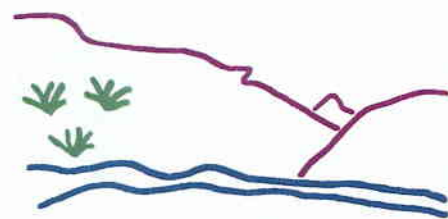
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 13-JUNE-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Wasatch/MesaVerde)

43-047-39375	NBU 1021-05MT	Sec 05 T10S R21E 0745 FSL 0529 FWL
43-047-39376	NBU 1021-11I	Sec 11 T10S R21E 2387 FSL 1247 FEL
43-047-39377	NBU 1021-11O	Sec 11 T10S R21E 1192 FSL 2437 FEL
43-047-39378	NBU 1021-11N	Sec 11 T10S R21E 1258 FSL 1861 FWL
43-047-39379	NBU 1021-11P	Sec 11 T10S R21E 0232 FSL 1170 FEL
43-047-39380	NBU 1021-11M	Sec 11 T10S R21E 0425 FSL 1318 FWL
43-047-39381	NBU 1021-11J	Sec 11 T10S R21E 2252 FSL 2402 FEL
43-047-39383	NBU 1021-12A	Sec 12 T10S R21E 0835 FNL 0781 FEL
43-047-39382	NBU 1021-12M	Sec 12 T10S R21E 1022 FSL 0329 FWL
43-047-39384	NBU 1021-12N	Sec 12 T10S R21E 0677 FSL 2302 FWL
43-047-39385	NBU 1021-12K	Sec 12 T10S R21E 1532 FSL 1952 FWL
43-047-39386	NBU 1021-12L	Sec 12 T10S R21E 1580 FSL 0196 FWL
43-047-39360	NBU 921-16J	Sec 16 T09S R21E 1994 FSL 1660 FEL
43-047-39361	NBU 921-16HT	Sec 16 T09S R21E 1858 FNL 1013 FEL
43-047-39362	NBU 921-16MT	Sec 16 T09S R21E 1261 FSL 1248 FWL
43-047-39363	NBU 921-17K	Sec 17 T09S R21E 2147 FSL 1635 FWL
43-047-39364	NBU 921-17J	Sec 17 T09S R21E 1508 FSL 1748 FEL
43-047-39365	NBU 921-20M	Sec 20 T09S R21E 0568 FSL 0586 FWL
43-047-39366	NBU 921-20O	Sec 20 T09S R21E 1026 FSL 1859 FEL
43-047-39367	NBU 921-23C	Sec 23 T09S R21E 0817 FNL 1945 FWL
43-047-39368	NBU 921-25NT	Sec 25 T09S R21E 1150 FSL 2607 FWL
43-047-39369	NBU 922-18O	Sec 18 T09S R22E 1255 FSL 2083 FEL

Page 2

43-047-39370 NBU 922-18I Sec 18 T09S R22E 1600 FSL 0901 FEL
43-047-39371 NBU 922-18G Sec 18 T09S R22E 2009 FNL 1936 FEL
43-047-39372 NBU 922-20E Sec 20 T09S R22E 2182 FNL 0452 FWL
43-047-39387 NBU 1022-6B-2 Sec 06 T10S R22E 0160 FNL 2289 FEL
43-047-39389 NBU 1022-24B Sec 24 T10S R22E 1035 FNL 1619 FEL
43-047-39374 NBU 1020-24BT Sec 24 T10S R20E 0914 FNL 1966 FEL
43-047-39373 NBU 1020-01KT Sec 01 T10S R20E 1731 FSL 1834 FWL

Our records indicate the NBU 1022-24B is closer than 460 feet from the Natural Buttes Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-18-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 19, 2007

Kerr-McGee Oil & Gas
1368 S 1200 East
Vernal, UT 84078

Re: Natural Buttes Unit 1021-11J Well, 2252' FSL, 2402' FEL, NW SE, Sec. 11, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39381.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office



Operator: Kerr-McGee Oil & Gas
Well Name & Number Natural Buttes Unit 1021-11J
API Number: 43-047-39381
Lease: UTU-0149080

Location: NW SE **Sec.** 11 **T.** 10 South **R.** 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO:

3160
UT08300

February 25, 2008

Raleen White
Kerr McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

43-047-39381

Re: Well No. NBU 1021-11J
NWSE, Sec. 11, T10S, R21E
Uintah County, Utah
Lease No. UTU-0149080
Natural Buttes Unit

Dear Ms. White:

The Application for Permit to Drill (APD) the above referenced well submitted June 7, 2007, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist Verlyn Pindell on February 13, 2008. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

Cindy Severson

Cindy Severson
Land Law Examiner

Enclosures

cc: UDOGM – Diana Mason

RECEIVED

MAR 10 2008

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

March 11, 2008

Raleen White
Kerr McGee O&G Onshore LP
1368 South 1200 East
Vernal UT 84078

NBU 1021-11J
43 047 39381
10S 21E 11

Re: APDs Rescinded at the request of Kerr-McGee O&G Onshore LP

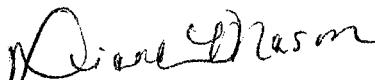
Dear Ms. White:

Enclosed find the list of APDs that you requested to be rescinded to Kerr-McGee O&G Onshore LP. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective March 10, 2008.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

Federal 920-35M
Federal 1021-34L
Federal 1021-34O
Federal 1021-23I
Federal 1021-23H
NBU 1021-3I
NBU 1021-6E
NBU 1021-5MT
NBU 1021-12M
NBU 1021-12K
NBU 1021-11J
NBU 1021-11N
NBU 1021-11O
NBU 1021-14B
NBU 1021-14F
NBU 1021-15J
NBU 1021-15K
NBU 1021-15O
NBU 1021-23C
NBU 1021-23D
NBU 1021-23E
NBU 1021-23B
NBU 1021-23J
NBU 1021-23K
NBU 1021-23N
NBU 1021-23M
NBU 1021-22E
NBU 1021-22C
NBU 1021-22L
NBU 1021-22K
NBU 1021-22D
LOVE UNIT 1122-18F
LOVE UNIT 1122-18O
LOVE UNIT 1122-18N
LOVE UNIT 1122-19F
LOVE UNIT 1122-15J
LOVE 1121-2B
LOVE 1121-7J
LOVE 1121-14J
LOVE 1121-14L
LOVE 1121-15J